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(71) Applicants (for all designated States except US):
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS [FR/FR]; 3, rue Michel Ange, F-75794 Paris Cedex 16 (FR). UNIVERSITE PARIS 7 - DENIS DIDEROT [FR/FR]; 2, place Jussieu, F-75251 Paris Cedex 05 (FR).

(72) Inventors; and

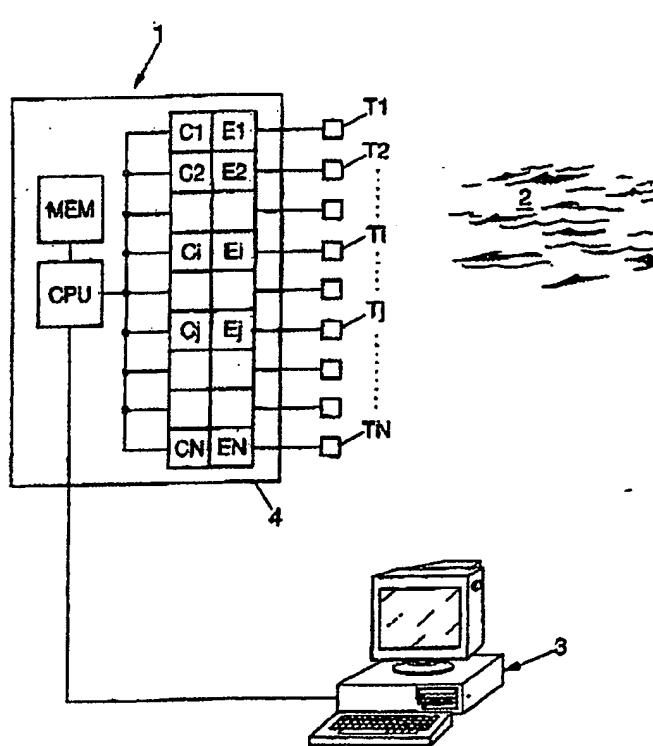
(75) Inventors/Applicants (US only): FINK, Matthias [FR/FR]; 16, rue E. Laferrière, F-92190 Meudon (FR). DE LA GORGUE DE ROSNY, Julien [FR/FR]; 154, rue de Charenton, F-75012 Paris (FR). JULIA, Claire

[continued on next page]

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(54) Title: METHOD OF DETERMINING IMPULSE RESPONSES FROM A MEDIUM IN RELATION TO THE TRANSMISSION OF WAVES BETWEEN DIFFERENT POINTS

(54) Titre : PROCEDE POUR DETERMINER DES REPONSES IMPULSIONNELLES D'UN MILIEU VIS-À-VIS DE LA TRANSMISSION D'ONDES ENTRE DIFFERENTS POINTS



(57) Abstract: The invention relates to a method of determining impulse responses from a medium (2) in relation to the transmission of waves between different points (T1-TN). The inventive method consists in: transmitting waves in the medium by generating, at each point i, signals $e_i(t)$ each comprising n elementary signals with respective frequencies which are spaced apart in pairs by an interval δf and which are different from the frequencies of the elementary signals corresponding to the other points; receiving signals $r_j(t)$ at points j after the transmission of the aforementioned waves in the medium; and calculating each impulse response $b_{ij}(t)$ from a correlation signal between signal $e_i(t)$ transmitted at point i and signal $r_j(t)$ received at point j.

(57) Abrégé : Procédé pour déterminer des réponses impulsionnelles d'un milieu (2) vis-à-vis de la transmission d'ondes entre différents points (T1-TN), on émet des ondes dans le milieu en générant en chaque point i des signaux $e_i(t)$ constitués chacun de n signaux élémentaires de fréquences respectives espacées deux à deux d'un

WO 2004/086557 A2

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[FR/FR]; 60, rue Madame, F-75006 Paris (FR).
 FOLEGOT, Thomas [FR/FR]; 101, rue Jean-Jaurès,
 F-29200 Brest (FR).

(74) **Representatives:** BURBAUD, ERIC, et al; Cabinet Plasseraud, 65/67, rue de la Victoire, F-75440 Paris Cedex 09 (FR).

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